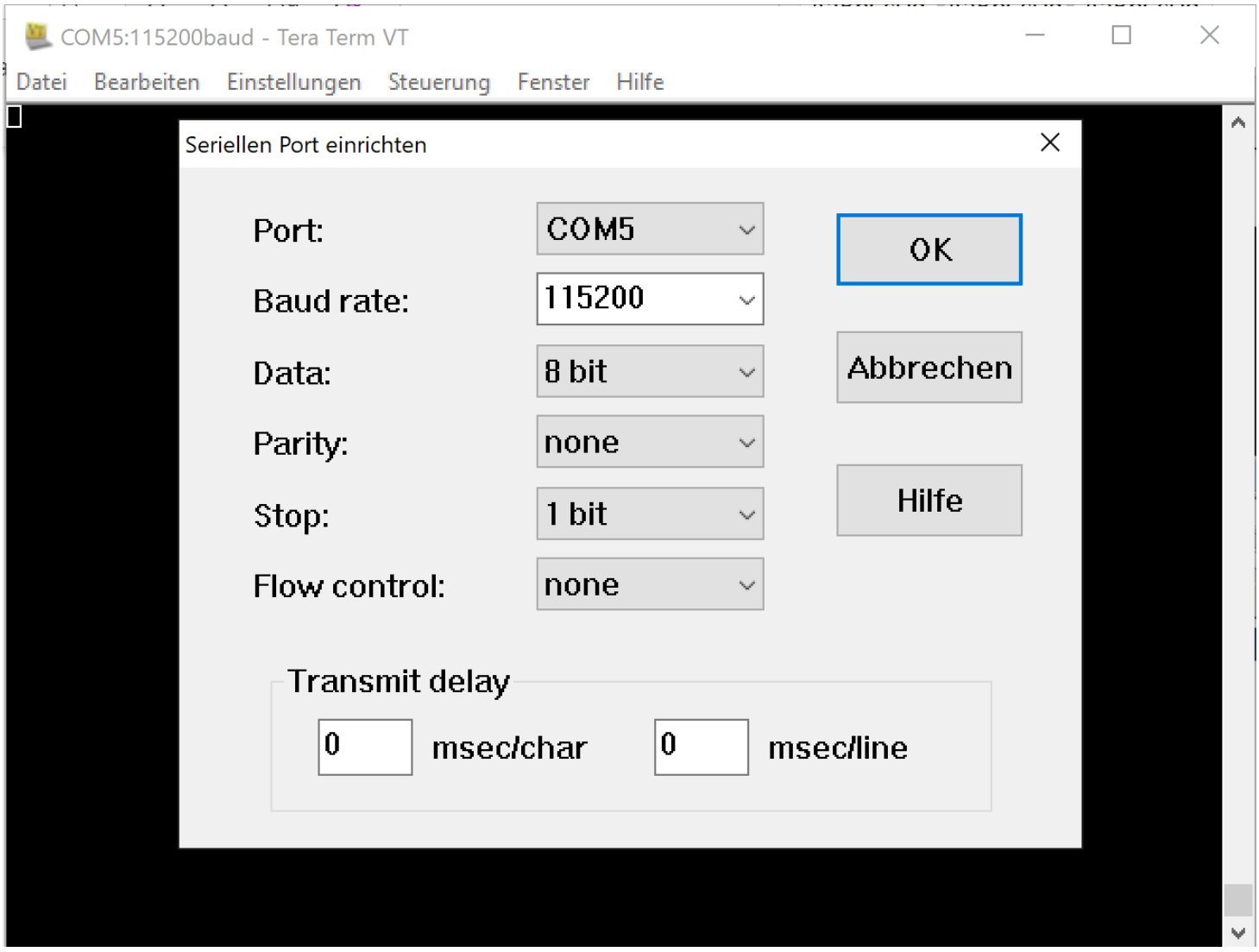
Using the xPico200 Manfuacturing Test Loader

Step 1. Open Tera Term, set it to the COM port that you are using, and ensure that the parameters are 8/N/1.

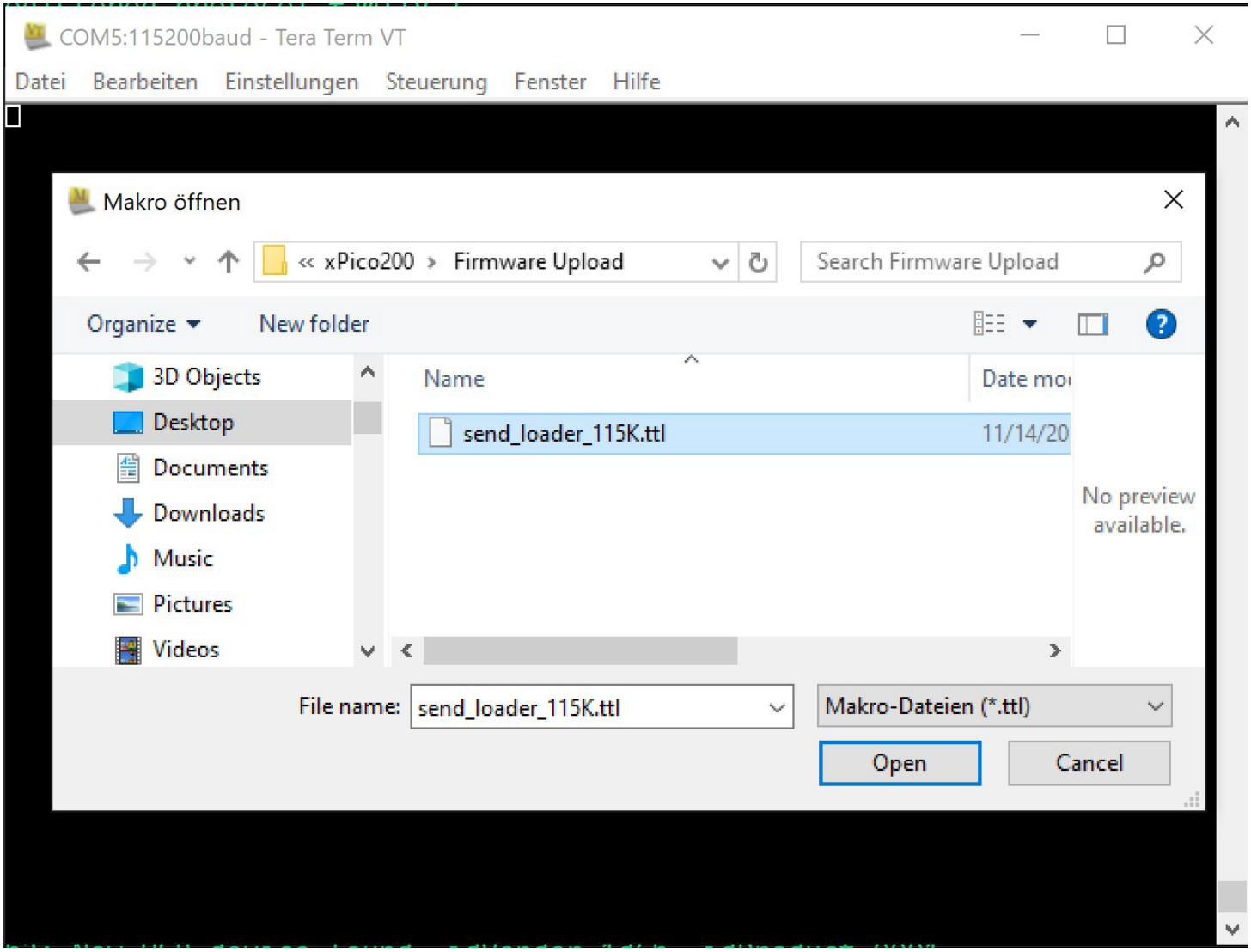
Ensure that Tera Term is fairly current. The version I'm using is 4.104.



Step 2. Run the loader macro.

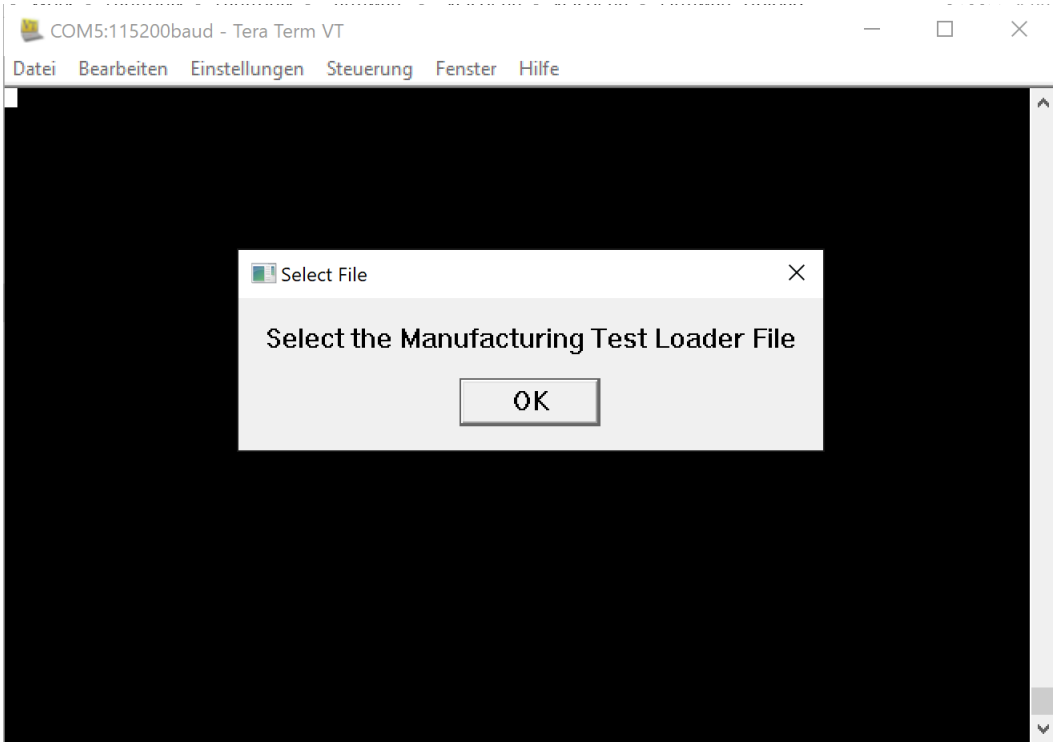
Make sure the xPico200 is turned off at this point. We'll power it on later, in step 4.

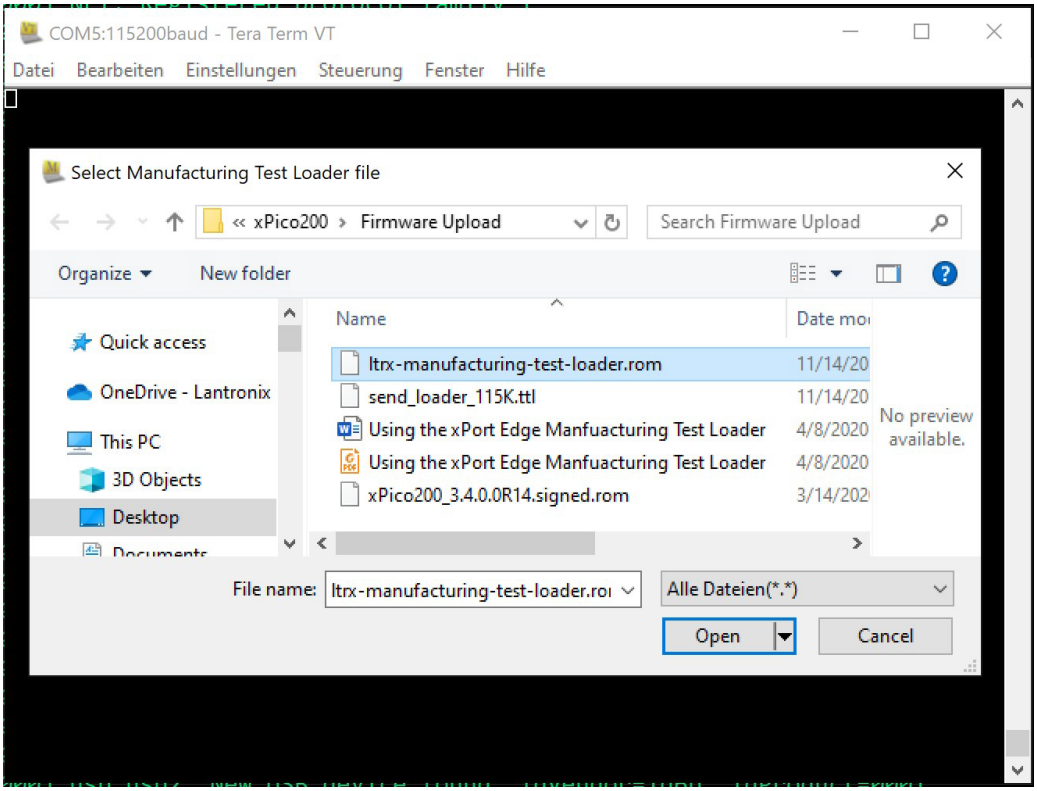
From the Tera Term Control menu, choose the Macro menu item. This will bring up a selection dialog; navigate to the loader macro location, select it, click OK.



Step 3. Send the loader ROM file.

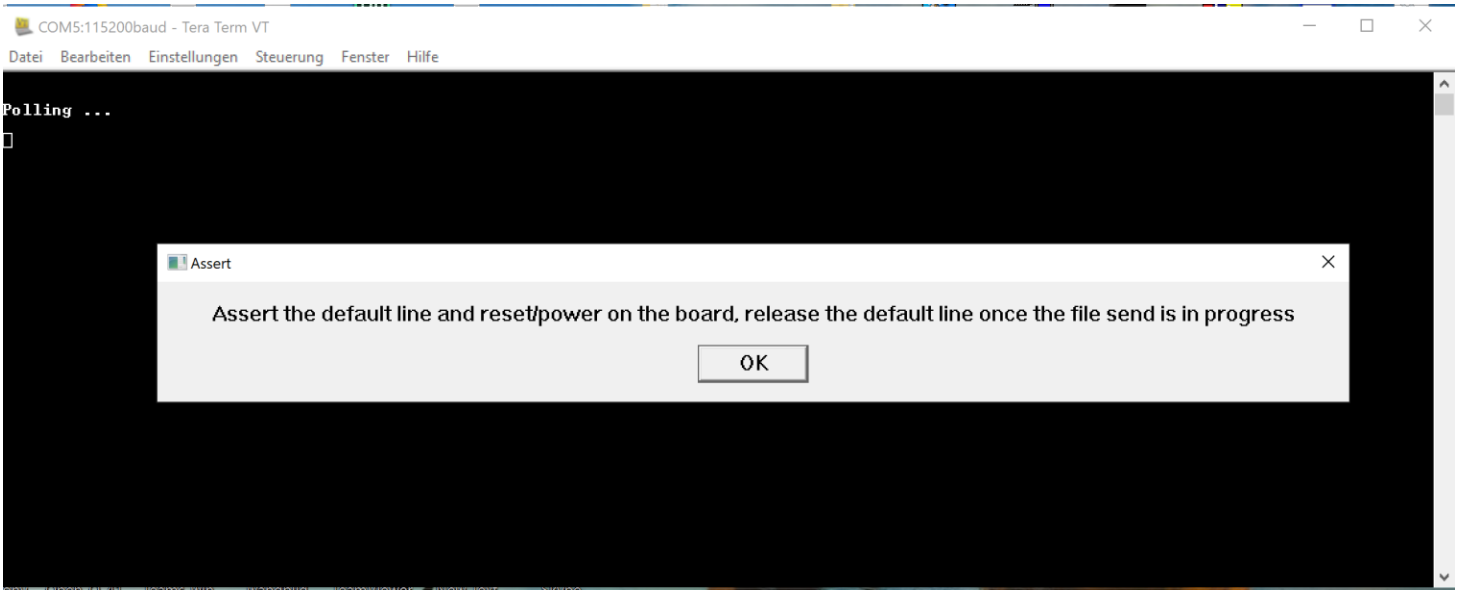
The macro will prompt you for the loader file you want to send over. Again, navigate to where it is located (if it is not located in the same directory as the loader script), select it.



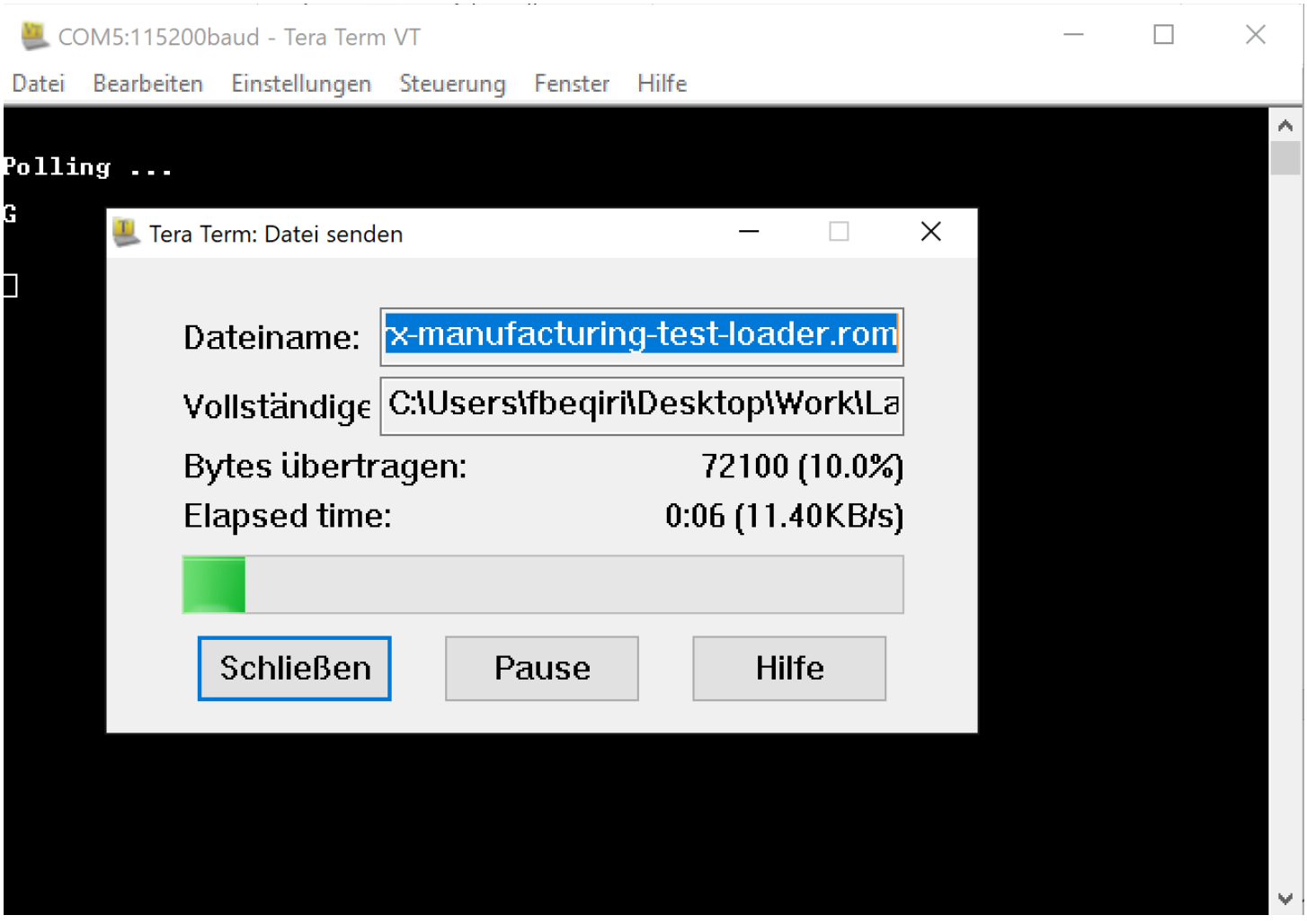


Step 4. Send the loader.

Click OK at the loader prompt.
With the power to the xPico 200 module turned off, hold down the **Defaults** button. Turn on the xPico 200 module. Release the **Defaults** button.



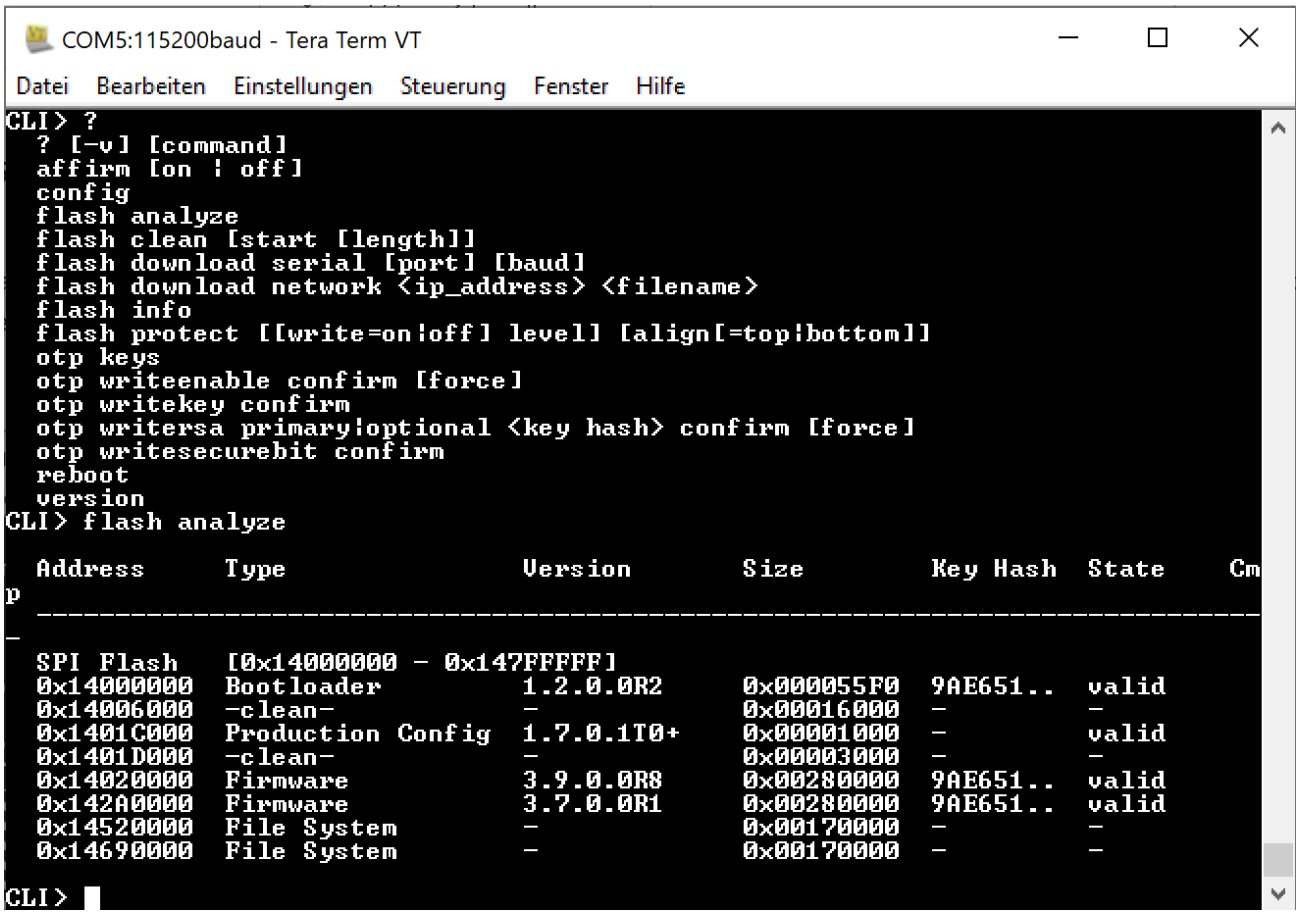
This will start the loader script sending the '!SL' sequence. The bootloader will examine the serial port, and finding the incoming '!SL', will respond with a 'G'. Once it receives the 'G', the script will send over the selected loader file.



Step 5 (optional). Use the ‘flash analyze’ command to see what is currently in flash.

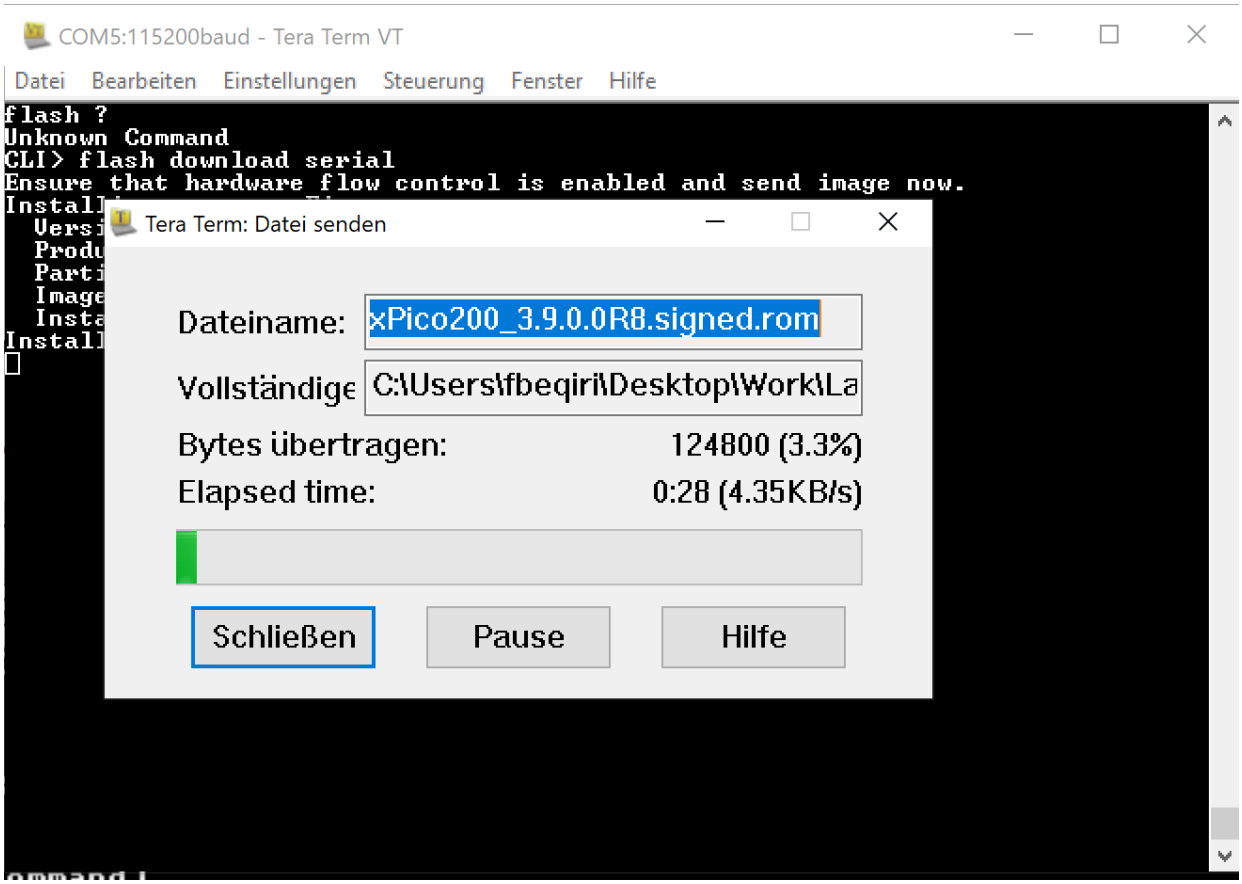
This is an optional step, but can help. Type ? to have a look of commands. You can see the currently installed version of firmware using ‘flash analyze’, if there is one, and if it is valid. You can re-run this command after installing new firmware as a double check to ensure it’s installed correctly.

Below is a capture of my xPico200. Yours may look a little different.



Step 6. Download the firmware image.

The command is “flash download serial”. Select the firmware file. When the file is first sent over, it stalls for a bit while the location in flash is erased.
After a minute or so, bytes will start flowing.



Once the download is finished, you can re-run the flash analyze command to see how things look in flash: